

Figure 1

10

36											
Operation	Stage 1	Stage 2	Stage 3								
0	0, (16,) 32, (48,)	0, 4, 8, 12,	0, 1) 2, 3)								
1	1, 17, 33, 49,	1, 5, 9, 13,	4, 5, 6, 7,								
2	2, (18), 34, (50)	2, 6, 10, 14)	8, 9, 10, 11								
3	3, 19, 35, 51,	(3,) 7, (11) 15,	(2,) 13, (14), 15,								
4	4, 20, 36, 52,	16, 20, 24, 28,	(16), 17, (18), 19,								
5	5, (21) 37, (53)	17, (21), 25, (29)	20, (21) 22, (23)								
6	6, 22, 38, 54,	(18), 22, (26), 30,	24, 25, 26, 27,								
7	7, 23) 39, (55)	19, ②3) 27, ③1)	28, 29 30, 31								
8	8, 24) 40, 56)	32, (36) 40, (44)	32, (33) 34, (35)								
9	9, 25, 41, 57,	(33) 37, (41) 45,	<u>36</u> , 37, <u>38</u> , 39,								
10	10, 26, 42, 58,	34, (38) 42, (46)	40, (41) 42, (43)								
11	11) 27, (43) 59,	(35), 39, (43), 47,	<u>44)</u> 45, <u>46)</u> 47,								
12	12) 28, (44) 60,	<u>48</u> , 52, <u>56</u> , 60,	48, 49, 50, 51,								
13	13, 29, 45, 61,	49, (53), 57, (61)	52, (53) 54, (55)								
14	14) 30, (46) 62,	50, 54, 58, 62,	<b>5</b> 6) 57, <b>(58)</b> 59,								
15	15, (31), 47, (63),	51, 55, 59, 63,	$\int 60, \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$								
		134	4								
( 32	( 30a	( 30b	( 30c								

Figure 2

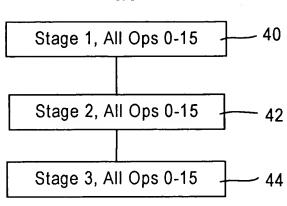


Figure 3A

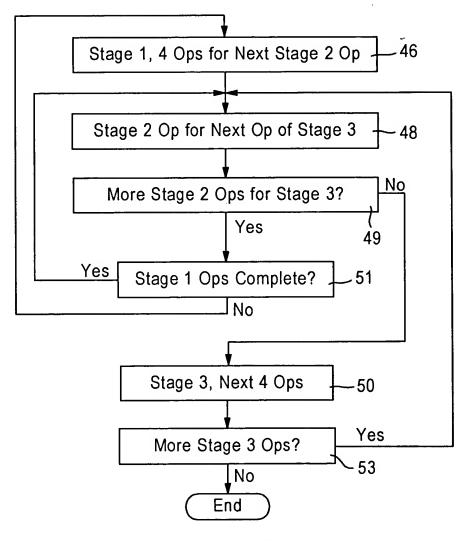


Figure 3B

	13	12	8	6	0	0	2	71				11	10	7	9			(2)	46	ı	
	10	11	7	9	D	D	(2)					8	6	5	4			-	45		
	8	6	5	4	D	D	1	69				7	9	2	3			E	44	İ	
	7	9	2	3	D	D	(1)	68 69 20				5	4	0	1			0	42 43	ı	
	5	4	0	1	D	D	0	29				2	3	15	11			(0)(0)	42		
89	2	3	59	63	D	D	(0)(0)	99 59			80	~	0	1	7	3		3	(0)	41	ı
	0	1	51	55	D	15	(0)	65					•••	•••	:	:	:	:	:	<b>,</b>	
	:	:	:	:		:						2	18	9	1	(2)	_		21		
	7	3	2	9	O	2		39				6	13	45	61	(2)	(1)		20		
	10	14	13	9	D	(2)		38				5	1	13	29	13	$\widehat{\mathcal{L}}$		19		
	2	9	2	1	D	1		37				45	61	57	41	(13)			18		
	13	6	8	12	Q	(1)		36				13	29	25	6	6			17		
	2	1	0	4	Q	0		34 35		_		25 57	41	27	53	(6)			16	മ	
	8	12	47	63	Q	(0)(0)		34		Figure 4A		25	တ	2	21	5			15	f 76 Figure 4B	
~	0	4	15	31	15	(0)		33		ψ.		27	53	49	33	(5)			13 14	<u> </u>	
-99	47	63	62	46	(15)			32		n		5	21	17	1	1			13	ng	
9	:	:	:	:	:			:		<u>.</u>		49	33	8	12	(1)			11 12	i <u>E</u>	
	5	21	20	4	4			10 11		LL	_	11	-	0	4	(1)	0		11	(0	
	52	36	51	35	(4)			10			78~	8	12	09	44		(0)		10	<b>-</b> 2	
	20	4	19	3	3			6			7	0	4	28	12	12	(0)		6	74	
	51	35	34	90	(8)			∞				9	44	40	56	(12)			8		
	19	3	7	18	7			7				78	12	∞	24	8			7		
	34	20	49	33	(2)			9				40	56	52	36	(8)			9		
	7	18	17	_	<b>,</b>	<u> </u>		2				∞	24	20	4	4			5	~	
	49	33	32	48	(1)			4				20 52	36	32	48	0 (4)			4	0 7.7	
	17	_	0	16	0			3	-	64		20	4	0	16				3		
	32	48			(0)		ļ	2	-	62		32	48			(0)			2	62	
	0	16			0)			<del>-</del>	-	99		0	16			(0)			_	<del>→</del> 09	
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	Bank 1 Read	Bank 2 Read	Bank 1 Write	Bank 2 Write	Stage 1 Op	Stage 2 Op	Stage 3 Op	Clock Cycle				Bank 1 Read	Bank 2 Read	Bank 1 Write	Bank 2 Write	Stage 1 Op	Stage 2 Op	Stage 3 Op	Clock Cycle		
	Bar	Bai	Bai	Bai	Ste	Sta	Sts	ဗြ				Bai	Ba	Ba	Ba	Ste	Ste	St	ပြ		

